

Supporting information

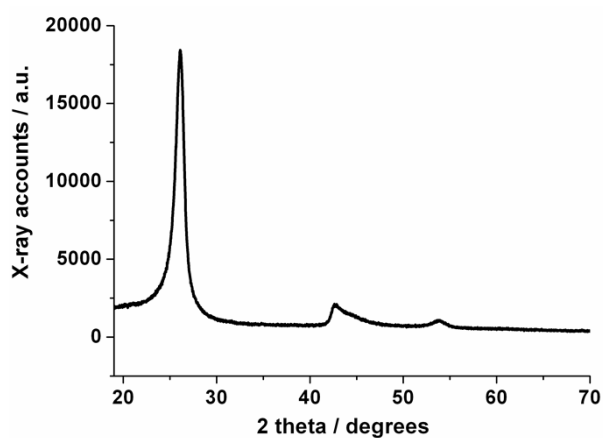


Figure S1. XRD pattern of ionothermal carbon after acid etching.

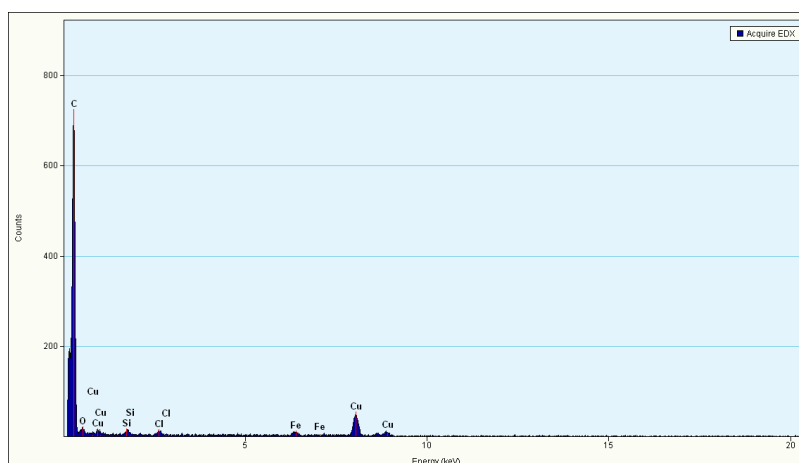


Figure S2. EDX analysis of OLG materials after acid etching.

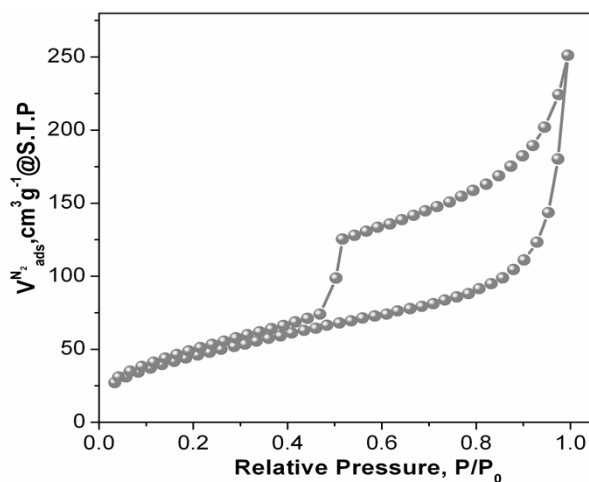


Figure S3. N₂ sorption of ionothermal carbon after acid treatment.

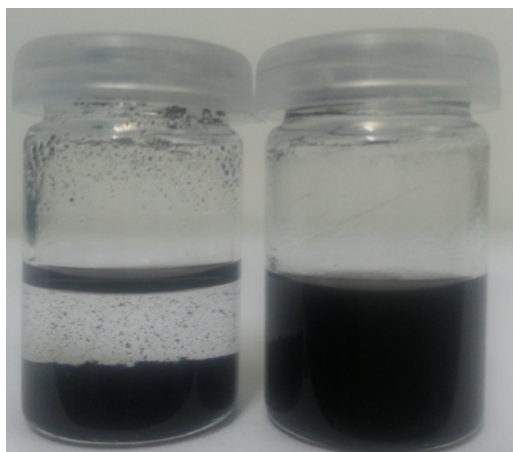


Figure S4. Dispersion of graphene-type nanoflake (right) in toluene. For comparison, a carbon nanotube dispersion (left) in toluene is also presented.